

EFM SURVEY TABLE

		EFM 3	EFM 3s	EFM 3i	EFM 3T	EFM 3Ts	EFM 4	EFM 4s	EFM H
typ. Working Distance	mm	50-300	50-300	50-300	93	93	50-300	50-300	>60
	inch	2-12	2-12	2-12	3.7	3.7	2-12	2-12	>2.4
standard Insertion Depth	mm	210	210	210	161	161	210	210	140
	inch	8.3	8.3	8.3	6.3	6.3	8.3	6.3	5.5
optional Insertion Depths	mm	190-600	190-600	190-600	161-411	161-411	190-600	190-600	120-250
	inch	7.5-23.6	7.5-23.6	7.5-23.6	6.3-19.8	6.3-19.8	7.5-23.6	7.5-23.6	4.7-9.8
typ. Flange to Sample distance	mm	260-410	260-410	260-410	254	254	260-410	260-410	>200
	inch	10.2-16.1	10.2-16.1	10.2-16.1	10	10	10.2-16.1	10.2-16.1	>7.9
Evap. Area Diameter	mm	4-30	4-30	4-30	8.5, 11, 14	8.5, 11, 14	10-133	10-133	±6° to ±15°
	inch	0.16-1.2	0.16-1.2	0.16-1.2	0.3, 0.4, 0.6	0.3, 0.4, 0.6	0.4-5.2	0.4-5.2	±6° to ±15°
Mounting Flange	mm	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF	DN 40 CF
	inch	2.75	2.75	2.75	2.75	2.75	2.75	2.75	2.75
Evap. from Wires		✓	✓	✓	✓	✓	✓	✓	-
max. Crucible Capacity	mm ³	700	700	250	250	250	700	700	-
	inch ³	0.043	0.043	0.015	0.015	0.015	0.043	0.043	-
max. Crucible Diameter	mm	11	11	8	8	8	11	11	-
	inch	0.43	0.43	0.31	0.31	0.31	0.43	0.43	-
z-shift 25mm		✓	✓	✓	✓ (3x)	✓ (3x)	✓	✓	-
z-shift 50mm		optional	optional	optional	-	-	optional	optional	-
Rear Loading		✓	✓	✓	✓ (3x)	✓ (3x)	✓	✓	-
Shutter		✓	✓	✓	✓(multiple)	✓(multiple)	✓	✓	optional
Shutter drive		optional	optional	optional	optional	optional	optional	optional	optional
Flux Monitor		✓	✓	✓	✓ (3x)	✓ (3x)	✓	✓	-
Ion Suppressor		-	✓	✓	-	✓	-	✓	optional
Ion Optics (IBAD)		-	-	✓	-	-	-	-	-
Gas Inlet (IBAD)		-	-	✓	-	-	-	-	-
Nickel coating (of Cu parts)		on request	on request	on request	on request	on request	on request	on request	on request
Port aligner (±3°)		optional	optional	optional	optional	optional	optional	optional	optional
upgrade/retrofit options		3s, 4, H	4, H	-	3Ts	-	-	-	pumping bypass
recommended Power Supplies		EVC 300-2	EVC 300s-2	EVC 300i	3x EVC 300	2x EVC 300-2 1x EVC 300s-2	EVC 300-2	EVC 300-2	EVC 100L